

**EXAMINATION REQUIREMENTS
FOR
FIRE ALARM SIGNALING SYSTEM
CERTIFICATION**



**AS PRESCRIBED BY
THE STATE FIRE PREVENTION COMMISSION
ON JUNE 12, 2003
IN ACCORDANCE WITH
THE STATE FIRE PREVENTION REGULATIONS
PART III, CHAPTERS 4 AND 6**

EXAMINATION REQUIREMENTS
FOR
FIRE ALARM SIGNALING SYSTEM
CERTIFICATION
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**Classification of Fire Alarm Signaling System
Licenses and Certificates
As per the State Fire Prevention Regulations
Part III, Chapters 4 and 6**

Table 1

Class	Type of work that may be performed
I	All types of Fire Alarm Signaling Systems under Classes II, III, IV and V.
IIa	Proprietary Systems (Typical of NFPA 72)
IIb	Emergency Voice/Alarm Communications Systems (Typical of NFPA 72)
IIc	Emergency and Standby Power Systems (Typical of NFPA 110)
III	Central Station Facilities and Systems (Typical of NFPA 72)
IVa	Local Alarm Systems (Typical of NFPA 72)
IVb	Auxiliary Alarm Systems (Typical of NFPA 72)
IVc	Remote Alarm Systems (Typical of NFPA 72)
Va	Household Fire Warning Equipment for Dwelling Units (Typical of NFPA 72)
Vb	Single Station Fire Alarm Devices (Typical of NFPA 72)
VI	Inspection, Testing and Maintenance, ONLY, of all Fire Alarm Systems (Class I – V)
VII	Installation, ONLY, of all Fire Alarm Systems (Class I – V)
VIII	Inspection, Testing and Maintenance, ONLY, of In-House Licensed Systems

**Examination Requirements for
Fire Alarm Signaling Systems Certification
As per the State Fire Prevention Regulations
Part III, Chapters 4 and 6**

Table 2

Certificate Class	Examination Requirements
I	Successfully complete "SFPR Exam" Successfully complete "Class II Certification Exam" (See Note 1 on page 5) Successfully complete "Class V Certification Exam" (See Note 2 on page 5)
IIa, IIb, & III	Successfully complete "SFPR Exam" Successfully complete "Class II Certification Exam" (See Note 1 on page 6)
IIc	Successfully complete "SFPR Exam" Successfully complete "Class IIc Certification Exam" (See Note 1 on page 7)
IVa, IVb, & IVC	Successfully complete "SFPR Exam" Successfully complete "Class IV Certification Exam" (See Note 1 on page 8)
Va & Vb	Successfully complete "SFPR Exam" Successfully complete "Class V Certification Exam" (See Note 2 on page 9)
VI	Successfully complete "SFPR Exam" Successfully complete "Class II Certification Exam" (See Note 1 on page 10) Successfully complete "Class V Certification Exam" (See Note 2 on page 10)
VII	Be a licensed Master Electrician by the State of Delaware
VIII	Successfully complete "SFPR Exam" Successfully complete "Class II Certification Exam" (See Note 1 on page 12) Successfully complete "Class V Certification Exam" (See Notes 2 and 3 on page 12)

CLASS I

FIRE ALARM SIGNALING SYSTEM CERTIFICATE EXAMINATIONS

Section 1 – Scope of work which may be performed

A Class I Fire Alarm Signaling System Certificate will allow the certificate holder to prepare technical documents, install, inspect, test and maintain Fire Alarm Signaling Systems under Class II, III, IV and V Certificates.

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of the Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class II Certification Examination (FASS Class II Exam)

(Note 1)

The Fire Alarm Signaling System Class II Certificate Exam is an exam consisting of questions from the following 37 NICET work elements. Successful completion of this exam requires passing all 37 work elements.

31001 – BASIC FIRE ALARM SYSTEMS	33018 – REMOTE STATION PROTECTIVE SIGNALING SYSTEMS
31002 – NFPA STANDARDS	33019 – PROPRIETARY SUPERVISING STATION SYSTEMS
31003 – BASIC WIRING	33020 – CENTRAL STATION FIRE ALARM SYSTEMS
31004 – DEVICES AND COMPONENTS	33021 – MANUAL FIRE ALARM SYSTEMS & GUARDS TOUR SERVICE
31005 – PERIODIC TESTS	33022 – HEAT SENSING FIRE DETECTORS
31006 – BASIC ELECTRICITY	33023 – SMOKE SENSING FIRE DETECTORS
31009 – INSTALLATION PRACTICES	33024 – FLAME SENSING FIRE DETECTORS
33001 – FIRE PROTECTION PLANS & SYMBOLS	33025 – SPRINKLER WATER FLOW & SUPERVISORY DEVICES
33002 – BASICS OF SYSTEM LAYOUT	33026 – ALARM NOTIFICATION APPLIANCES
33003 – ELECTRICAL INSTALLATION STANDARDS	33027 – BASICS OF SIGNAL TRANSMISSION
33004 – BASIC FIRE ALARM SYSTEMS	34001 – EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS
33005 – SUPERVISION AND SUPERVISORY SERVICE	34002 – SIGNAL PROCESSING
33006 – DETECTION METHODS	34003 – SURVEYS FOR FIRE ALARM & DETECTION SYSTEMS
33007 – DETECTOR SPACING	34004 – FIRE ALARM SYSTEM MAINTENANCE
33008 – POWER SUPPLIES	34005 – FIRE ALARM SYSTEM WIRING
33009 – SYSTEM ACCEPTANCE & PERIODIC TESTS	34006 – EMERGENCY EVACUATION SIGNALS
33010 – CONSTRUCTION PLANS	34007 – COMBINATION SYSTEMS
33013 – BUILDING CODES	
33016 – PROTECTIVE PREMISES FIRE ALARM SYSTEMS	
33017 – AUXILIARY FIRE ALARM SYSTEMS	

Fire Alarm Signaling System Class V Certification Examination (FASS Class V Exam)

(Note 2)

The Fire Alarm Signaling System Class V Certification Exam is primarily based on NFPA 72 with a few questions from NFPA 101, the Basic Building Code and the Standard Building Code.

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 1 – NICET Certification to Level III in Fire Protection Engineering Technology, subfield of Fire Alarm Systems, will be considered an equivalent to the FASS Class II Exam.

Note 2 – Successful completion of NICET work element 32004, Fire Warning Equipment for Dwelling Units shall be considered an equivalent to the FASS Class V Exam.

Class IIa, IIb or III

FIRE ALARM SIGNALING SYSTEM CERTIFICATE EXAMINATIONS

Section 1 – Scope of work which may be performed

A Class IIa, IIb or III Fire Alarm Signaling System Certificate will allow the certificate holder to prepare technical documents, install, inspect, test and maintain Fire Alarm Signaling Systems under the following respective classes:

Class IIa	Proprietary Systems (See NFPA 72)
Class IIb	Emergency Voice/Alarm Communications (See NFPA 72)
Class III	Central Station Facilities and Systems (See NFPA 72)

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of the Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class II Certification Examination (FASS Class II Exam)

(Note 1)

The Fire Alarm Signaling System Class II Certificate Exam is an exam consisting of questions from the following 37 NICET work elements. Successful completion of this exam requires passing all 37 work elements.

31001 – BASIC FIRE ALARM SYSTEMS	33018 – REMOTE STATION PROTECTIVE SIGNALING SYSTEMS
31002 – NFPA STANDARDS	33019 – PROPRIETARY SUPERVISING STATION SYSTEMS
31003 – BASIC WIRING	33020 – CENTRAL STATION FIRE ALARM SYSTEMS
31004 – DEVICES AND COMPONENTS	33021 – MANUAL FIRE ALARM SYSTEMS & GUARDS TOUR SERVICE
31005 – PERIODIC TESTS	33022 – HEAT SENSING FIRE DETECTORS
31006 – BASIC ELECTRICITY	33023 – SMOKE SENSING FIRE DETECTORS
31009 – INSTALLATION PRACTICES	33024 – FLAME SENSING FIRE DETECTORS
33001 – FIRE PROTECTION PLANS & SYMBOLS	33025 – SPRINKLER WATER FLOW & SUPERVISORY DEVICES
33002 – BASICS OF SYSTEM LAYOUT	33026 – ALARM NOTIFICATION APPLIANCES
33003 – ELECTRICAL INSTALLATION STANDARDS	33027 – BASICS OF SIGNAL TRANSMISSION
33004 – BASIC FIRE ALARM SYSTEMS	34001 – EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS
33005 – SUPERVISION AND SUPERVISORY SERVICE	34002 – SIGNAL PROCESSING
33006 – DETECTION METHODS	34003 – SURVEYS FOR FIRE ALARM & DETECTION SYSTEMS
33007 – DETECTOR SPACING	34004 – FIRE ALARM SYSTEM MAINTENANCE
33008 – POWER SUPPLIES	34005 – FIRE ALARM SYSTEM WIRING
33009 – SYSTEM ACCEPTANCE & PERIODIC TESTS	34006 – EMERGENCY EVACUATION SIGNALS
33010 – CONSTRUCTION PLANS	34007 – COMBINATION SYSTEMS
33013 – BUILDING CODES	
33016 – PROTECTIVE PREMISES FIRE ALARM SYSTEMS	
33017 – AUXILIARY FIRE ALARM SYSTEMS	

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 1 – NICET Certification to Level III in Fire Protection Engineering Technology, subfield of Fire Alarm Systems, will be considered an equivalent to the FASS Class II Exam

CLASS IIc

FIRE ALARM SIGNALING SYSTEM CERTIFICATE

Section 1 – Scope of work which may be performed

A Class IIc Fire Alarm Signaling System Certificate will allow the certificate holder to prepare technical documents, install, inspect, test and maintain Fire Alarm Signaling Systems under Class IIc – Emergency and Standby Power Systems (See NFPA 110).

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of the Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class IIc Certification Examination (FASS Class IIc Exam)

The Fire Alarm Signaling System Class IIc Certification Exam will consist of a test developed and maintained by the National Institute for Certification in Engineering Technologies. The exam for FASS Class IIc is a specially prepared NICET exam consisting of questions from the following 6 NICET work elements. Successful completion of this exam requires passing all 6 work elements.

- 31001 – BASIC FIRE ALARM SYSTEMS
- 31002 – NFPA STANDARDS
- 31003 – BASIC WIRING
- 31006 – BASIC ELECTRICITY
- 33003 – ELECTRICAL INSTALLATION STANDARDS
- 33008 – POWER SUPPLIES

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 1 – NICET Certification to Level III in Fire Protection Engineering Technology, subfield of Fire Alarm Systems, will be considered an equivalent to the FASS Class IIc Exam.

CLASS IVa, IVb or IVc

FIRE ALARM SIGNALING SYSTEM CERTIFICATE

Section 1 – Scope of work which may be performed

A Class IVa, IVb or IVc Fire Alarm Signaling system Certificate will allow the certificate holder to prepare technical documents, install, inspect, test and maintain Fire Alarm Signaling Systems under the following respective Classes:

Class IVa	Local Alarm (See NFPA 72)
Class IVb	Auxiliary Alarm (See NFPA 72)
Class IVc	Remote Alarm (See NFPA 72)

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of the Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class IV Certification Examination (FASS Class IV Exam)

The Fire Alarm Signaling System Class IV Certification Exam is an exam consisting of questions from the following 35 NICET work elements. Successful completion of this exam requires passing all 35 work elements.

31001 – BASIC FIRE ALARM SYSTEMS	33018 – REMOTE STATION PROTECTIVE SIGNALING SYSTEMS
31002 – NFPA STANDARDS	33021 – MANUAL FIRE ALARM SYSTEMS & GUARDS TOUR SERVICE
31003 – BASIC WIRING	33022 – HEAT SENSING FIRE DETECTORS
31004 – DEVICES AND COMPONENTS	33023 – SMOKE SENSING FIRE DETECTORS
31005 – PERIODIC TESTS	33024 – FLAME SENSING FIRE DETECTORS
31006 – BASIC ELECTRICITY	33025 – SPRINKLER WATER FLOW & SUPERVISORY DEVICES
31009 – INSTALLATION PRACTICES	33026 – ALARM NOTIFICATION APPLIANCES
33001 – FIRE PROTECTION PLANS & SYMBOLS	33027 – BASICS OF SIGNAL TRANSMISSION
33002 – BASICS OF SYSTEM LAYOUT	34001 – EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS
33003 – ELECTRICAL INSTALLATION STANDARDS	34002 – SIGNAL PROCESSING
33004 – BASIC FIRE ALARM SYSTEMS	34003 – SURVEYS FOR FIRE ALARM & DETECTION SYSTEMS
33005 – SUPERVISION AND SUPERVISORY SERVICE	34004 – FIRE ALARM SYSTEM MAINTENANCE
33006 – DETECTION METHODS	34005 – FIRE ALARM SYSTEM WIRING
33007 – DETECTOR SPACING	34006 – EMERGENCY EVACUATION SIGNALS
33008 – POWER SUPPLIES	34007 – COMBINATION SYSTEMS
33009 – SYSTEM ACCEPTANCE & PERIODIC TESTS	
33010 – CONSTRUCTION PLANS	
33013 – BUILDING CODES	
33016 – PROTECTIVE PREMISES FIRE ALARM SYSTEMS	
33017 – AUXILIARY FIRE ALARM SYSTEMS	

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 1 – NICET Certification to Level III in Fire Protection Engineering Technology, subfield of Fire Alarm Systems, will be considered an equivalent to the FASS Class IV Exam.

CLASS Va & Vb

FIRE ALARM SIGNALING SYSTEM CERTIFICATE

Section 1 – Scope of work which may be performed

A Class V Fire Alarm Signaling System Certificate will allow the certificate holder to prepare technical documents, install, inspect, test and maintain Fire Alarm Signaling Systems under the following classes;

Class Va	Household Fire Warning Equipment for Dwelling Units (typical of NFPA 72 systems)
Class Vb	Single Station Fire Alarm Devices (typical of NFPA 72 systems)

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class V Certification Examination (FASS Class V Exam) **(See Note 2)**

The Fire Alarm Signaling System Class V Certification Exam is primarily based on NFPA 72 with a few questions from NFPA 101, the Basic Building Code and the Standard Building Code.

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 2 – Successful completion of NICET work element 32004, Fire Warning Equipment for Dwelling Units shall be considered an equivalent to the FASS Class V Exam.

CLASS VI

FIRE ALARM SIGNALING SYSTEM CERTIFICATE

Section 1 – Scope of work which may be performed

A Class VI Fire Alarm Signaling System Certificate will allow the certificate holder to perform inspection, testing and maintenance service, only, of Fire Alarm Signaling Systems under Class II, III, IV and V Certificates.

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of the Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class II Certification Examination (FASS Class II Exam)

(Note 1)

The Fire Alarm Signaling System Class II Certificate Exam is an exam consisting of questions from the following 37 NICET work elements. Successful completion of this exam requires passing all 37 work elements.

31001 – BASIC FIRE ALARM SYSTEMS	33018 – REMOTE STATION PROTECTIVE SIGNALING SYSTEMS
31002 – NFPA STANDARDS	33019 – PROPRIETARY SUPERVISING STATION SYSTEMS
31003 – BASIC WIRING	33020 – CENTRAL STATION FIRE ALARM SYSTEMS
31004 – DEVICES AND COMPONENTS	33021 – MANUAL FIRE ALARM SYSTEMS & GUARDS TOUR SERVICE
31005 – PERIODIC TESTS	33022 – HEAT SENSING FIRE DETECTORS
31006 – BASIC ELECTRICITY	33023 – SMOKE SENSING FIRE DETECTORS
31009 – INSTALLATION PRACTICES	33024 – FLAME SENSING FIRE DETECTORS
33001 – FIRE PROTECTION PLANS & SYMBOLS	33025 – SPRINKLER WATER FLOW & SUPERVISORY DEVICES
33002 – BASICS OF SYSTEM LAYOUT	33026 – ALARM NOTIFICATION APPLIANCES
33003 – ELECTRICAL INSTALLATION STANDARDS	33027 – BASICS OF SIGNAL TRANSMISSION
33004 – BASIC FIRE ALARM SYSTEMS	34001 – EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS
33005 – SUPERVISION AND SUPERVISORY SERVICE	34002 – SIGNAL PROCESSING
33006 – DETECTION METHODS	34003 – SURVEYS FOR FIRE ALARM & DETECTION SYSTEMS
33007 – DETECTOR SPACING	34004 – FIRE ALARM SYSTEM MAINTENANCE
33008 – POWER SUPPLIES	34005 – FIRE ALARM SYSTEM WIRING
33009 – SYSTEM ACCEPTANCE & PERIODIC TESTS	34006 – EMERGENCY EVACUATION SIGNALS
33010 – CONSTRUCTION PLANS	34007 – COMBINATION SYSTEMS
33013 – BUILDING CODES	
33016 – PROTECTIVE PREMISES FIRE ALARM SYSTEMS	
33017 – AUXILIARY FIRE ALARM SYSTEMS	

Fire Alarm Signaling System Class V Certification Examination (FASS Class V Exam)

(Note 2)

The Fire Alarm Signaling System Class V Certification Exam is primarily based on NFPA 72 with a few questions from NFPA 101, the Basic Building Code and the Standard Building Code.

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 1 – NICET Certification to Level III in Fire Protection Engineering Technology, subfield of Fire Alarm Systems, will be considered an equivalent to the FASS Class II Exam.

Note 2 – Successful completion of NICET work element 32004, Fire Warning Equipment for Dwelling Units shall be considered an equivalent to the FASS Class V Exam.

CLASS VII

FIRE ALARM SIGNALING SYSTEM CERTIFICATE

Section 1 – Scope of work which may be performed

A Class VII Fire Alarm Signaling system Certificate is limited to installation, only, of all types of fire alarm signaling systems. A prerequisite to being certified in this Class is the fire alarm signaling system to be installed would have had technical documents submitted by a company licensed under the provisions of the State Fire Prevention Regulations and by a Certificate Holder qualified in Class I, II, III, IV or V under these Regulations to the Office of the State Fire Marshal for review and approval.

Section 2 – Examination Requirements

Notwithstanding any other requirements found in the State Fire Prevention Regulations, a company may be licensed or an individual may be certified for the Class, Class VII, if the company or the individual is licensed by the State of Delaware as a **Master Electrician**. Any person or company who is not installing fire alarm signaling systems in accordance with this Class, must be certified and licensed to Class I, II, III, IV or V.

CLASS VIII

FIRE ALARM SIGNALING SYSTEM CERTIFICATE (RESERVED FOR IN-HOUSE LICENSEE'S)

Section I – Scope of work which may be performed

A Class VIII Fire Alarm Signaling System Certificate will allow the certificate holder to perform inspection, testing and maintenance service of wholly owned or proprietary fire alarm signaling systems.

Section 2 – Examination Requirements

State Fire Prevention Regulations Examination (SFPR Exam)

The State Fire Prevention Regulations Exam is based on the State Fire Prevention Regulations. The purpose of this exam is to test for knowledge of the Delaware State Fire Prevention Regulations.

Fire Alarm Signaling System Class II Certification Examination (FASS Class II Exam)

(Note 1)

The Fire Alarm Signaling System Class II Certificate Exam is an exam consisting of questions from the following 37 NICET work elements. Successful completion of this exam requires passing all 37 work elements.

31001 – BASIC FIRE ALARM SYSTEMS	33018 – REMOTE STATION PROTECTIVE SIGNALING SYSTEMS
31002 – NFPA STANDARDS	33019 – PROPRIETARY SUPERVISING STATION SYSTEMS
31003 – BASIC WIRING	33020 – CENTRAL STATION FIRE ALARM SYSTEMS
31004 – DEVICES AND COMPONENTS	33021 – MANUAL FIRE ALARM SYSTEMS & GUARDS TOUR SERVICE
31005 – PERIODIC TESTS	33022 – HEAT SENSING FIRE DETECTORS
31006 – BASIC ELECTRICITY	33023 – SMOKE SENSING FIRE DETECTORS
31009 – INSTALLATION PRACTICES	33024 – FLAME SENSING FIRE DETECTORS
33001 – FIRE PROTECTION PLANS & SYMBOLS	33025 – SPRINKLER WATER FLOW & SUPERVISORY DEVICES
33002 – BASICS OF SYSTEM LAYOUT	33026 – ALARM NOTIFICATION APPLIANCES
33003 – ELECTRICAL INSTALLATION STANDARDS	33027 – BASICS OF SIGNAL TRANSMISSION
33004 – BASIC FIRE ALARM SYSTEMS	34001 – EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS
33005 – SUPERVISION AND SUPERVISORY SERVICE	34002 – SIGNAL PROCESSING
33006 – DETECTION METHODS	34003 – SURVEYS FOR FIRE ALARM & DETECTION SYSTEMS
33007 – DETECTOR SPACING	34004 – FIRE ALARM SYSTEM MAINTENANCE
33008 – POWER SUPPLIES	34005 – FIRE ALARM SYSTEM WIRING
33009 – SYSTEM ACCEPTANCE & PERIODIC TESTS	34006 – EMERGENCY EVACUATION SIGNALS
33010 – CONSTRUCTION PLANS	34007 – COMBINATION SYSTEMS
33013 – BUILDING CODES	
33016 – PROTECTIVE PREMISES FIRE ALARM SYSTEMS	
33017 – AUXILIARY FIRE ALARM SYSTEMS	

Fire Alarm Signaling System Class V Certification Examination (FASS Class V Exam)

(Notes 2 & 3)

The Fire Alarm signaling System Class V Certification Exam is primarily based on NFPA 72 with a few questions from NFPA 101, the Basic Building Code and the Standard Building Code.

Section 3 – Relevant Standards

Delaware State Fire Prevention Regulations (DSFPR) – current edition

See Page 13 & 14 of this pamphlet or refer to the NICET Fire Alarm Systems Program Detail Manual for additional suggested references

Note 1 – NICET Certification to Level III in Fire Protection Engineering Technology, subfield of Fire Alarm Systems, will be considered an equivalent to the FASS Class II Exam.

Note 2 – Successful completion of NICET work element 32004, Fire Warning Equipment for Dwelling Units shall be considered an equivalent to the FASS Class V Exam.

Note 3 – Completion of the Class V Exam will not be required for In-House Licensee's that do not inspect, test and maintain Household Fire Warning Equipment.

RELEVANT STANDARDS

(reprinted from NICET Program Detail Manual)

The following organizations issue standards appropriate to this certification program. The standards below are specifically referenced in the work element listing. Each Fire Protection exam applicant will be mailed a listing of the NFPA standards with his or her exam confirmation letter. This listing will give the edition year of the NFPA standard used in writing the test questions. This information can also be found on NICET's web site.

National Fire Protection Association (NFPA)

NFPA 12A	Halon Fire Extinguishing Systems
NFPA 13	Installation of Sprinkler Systems
NFPA 70	National Electrical Code
NFPA 72	National Fire Alarm Code
NFPA 75	Protection of Electronic Computer/Data Processing Equipment
NFPA 80	Fire Doors and Windows
NFPA 90A	Air Conditioning and Ventilating Systems
NFPA 90B	Warm Air Heating and Air Conditioning Systems
NFPA 92A	Smoke Control Systems
NFPA 101	Life Safety Code
NFPA 110	Emergency Power Supplies
NFPA 170	Fire Safety Symbols
NFPA 230	Fire Protection of Storage
NFPA 1221	Installation, Maintenance and Use of Public Fire Service Communication Systems
NFPA 2001	Fire Extinguishing Systems, Clean Agent

American Society for Testing and Materials (ASTM)

IEEE/ASTM SI 10 Use of the International System of Units (SI): The Modern Metric System

American Institute of Architects

A201 General Conditions of the Contract for Construction 1997

American National Standards Institute (ANSI) and American Society of Mechanical Engineers (ASME)

ANSI/ASME A17.1	Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks
ANSI S12.31	Precision Methods for the Determination of Sound Pressure Loss of Wideband Noise Sources in Reverberation Rooms
ANSI S1.4 with Amd.S1.4A	Specification for Sound Level Meters

Underwriter's Laboratories

UL-217
UL-268
UL-268A
UL-521
UL-864

NOTE 1 - THIS LISTING IS NOT INTENDED TO BE COMPLETE OR REPRESENTATIVE.

NOTE 2 - NFPA Selected References of NICET for editions can be found on NICET Web site @ www.nicet.org/publications/firestandards.pdf

SELECTED GENERAL REFERENCES
(Provided by NICET)

American with Disabilities Act Accessibility Guidelines. <http://janweb.icdi.wvu.edu/kinder>

Basic/National Building Code. Building Officials and Code Administrators International Inc., Country Hills, IL

Bryan, John L. Fire Suppression and Detection Systems (current edition). MacMillan, New York, NY

Clough, Richard H. Construction Contracting. John Wiley & Sons, Inc. New York, NY

Fire Alarm Signaling Systems. (FASS-94). National Fire Protection Association, Quincy, MA

Fire Protection Handbook. National Fire Protection Association, Quincy, MA 02169, 1-800-344-3555

Fire Protection Through Modern Building Codes. American Iron and Steel Institute, Washington, DC

Gagnon, Robert M. Design of Specialist Hazard and Fire Alarm Systems. Delmar Publishers, Albany, NY

General Conditions of the Contract for Construction. American Institute of Architects, Washington, DC

International Building Code. Available from the three existing code groups.

IRI Information Sheets. Industrial Risk Insurers. Hartford CT

NEMA Guide for Proper Use of System Smoke Detectors. National Electrical Manufacturers Association. Alexandria, VA

NEMA Guide for Proper Use of System Smoke Detectors in Duct Applications. National Electrical Manufacturers Association. Alexandria, VA

NEMA Guide to Code Requirements for Fire Protection Signaling and Detection Systems. National Electrical Manufacturers Association. Alexandria, VA

NFPA Inspection Manual. National Fire Protection Association, Quincy, MA 02169, 1-800-344-3555

NSCA Audio Systems Technology Level I and II. Prompt. Indianapolis, IN (generic crossover element)

OSHA Safety & Health Standards 29 CFR Parts 1929/1910

Poage, Waller S. Building Professional's Guide to Contract Documents. RS Means Co. Kingston, Massachusetts.

Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks (ANSI/ASME A17.1). American Society of Mechanical Engineers, New York, NY

SFPE Handbook of Fire Protection Engineering. Available from National Fire Protection Association, Quincy, MA 1-800-344-3555

Standard Building Code. Southern Building Code Congress International, Inc. Birmingham, AL

Standard First Aid and Personal Safety. American Red Cross. Washington, DC

Training Manual on Fire Alarm Systems. National Electrical Manufacturers Association. Washington, DC

Transient Voltage Suppression. Harris Semiconductor. Melbourne, FL

U. L. Fire Protection Equipment Directory. Underwriters laboratories, Inc. Northbrook, IL

Uniform Building Code. International Conference of Building Officials. Whittier, CA

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NOTE 2: NFPA Selected References of NICET for editions can be found on NICET Website @ <http://www.nicet.org/fireprotectionstandards.pdf>